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Displaying 1 - 10 of 41 results

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#### 9.01: Advanced Manufacturing

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

Advanced Manufacturing is "a family of activities that (a) depend on the use and coordination of information, automation, computation, software, sensing, and networking, and/or (b) make use of cutting edge materials and emerging capabilities enabled by the physical and biological sciences, for example nanotechnology, chemistry, and biology. This involves both new ways to manufacture existing pro ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

# 2. 9.02: Climate Change and Clean Energy

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

Implementation of renewable energy and climate change related policies around the globe will require access to accurate, internationally recognized measurements and standards. These will be critical for both policy-making purposes as well as evaluating the impact of mitigation efforts. Such capabilities will be equally important for assessing the impact of energy and climate change policies on t ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

### 3. 9.03: Cybersecurity

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

Recognizing that the national and economic security of the United States depends on the reliable functioning of critical infrastructure, the President issued Executive Order 13636, Improving Critical Infrastructure Cybersecurity, in February 2013. It directed NIST to work with stakeholders to develop a voluntary framework – based on existing standards, guidelines, and practices - for reducing cy ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

#### 4. 9.04: Health Care and Bioscience

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

New medical diagnostic tests, improving the quality and cost-effectiveness of health care electronic records, reference materials for laboratory test methods, faster screening of promising vaccines, these are a few of the many areas where National Institute of Standards and Technology (NIST) research serves the needs of the bioscience and health care community. NIST collaborates extensively with o ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

#### 5. 9.05: Technology Transfer

Published on SBIR.gov (https://www.sbir.gov)

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

This is the main research area, please review subtopics for a better description of available funding topics.

SBIR National Institute of Standards and TechnologyDepartment of Commerce

#### 6. 8.1: Resilient Coastal Communities and Economies

Release Date: 11-13-2013Open Date: 11-13-2013Due Date: 01-29-2014Close Date: 01-29-2014

DOC DOC/NOAA SBIR NOAA-2014-1 Developing and Improving Commercial Marine Algal Culture in the United States Automated Vertical Reference Rapid Identification of Species and Origin in Processed Seafood 8.1 DOC DOC/NOAA SBIR NOAA-2014-1 ...

SBIR Department of CommerceNational Oceanic and Atmospheric Administration

# **7.** 8.1.1F: Developing and Improving Commercial Marine Algal Culture in the United States

Release Date: 11-13-2013Open Date: 11-13-2013Due Date: 01-29-2014Close Date: 01-29-2014

Summary: We stand at a critical juncture in the development of marine aquaculture in the United States. The U.S. is a major consumer of aquaculture products – we import 91% of our seafood and half of that is from aquaculture – yet we are a minor producer. Algal products have a huge market worldwide, use energy from the sun, and can uptake excess nutrients, improving local water quality ...

SBIR Department of CommerceNational Oceanic and Atmospheric Administration

# 8. 8.1.2N: Automated Vertical Reference

Release Date: 11-13-2013Open Date: 11-13-2013Due Date: 01-29-2014Close Date: 01-29-2014

Summary: We are aware of research grade products yielding millimeter per year motions for dam deformation and continental drift. Others are able to generate dynamic vertical positioning on buoys to within 3-5 cm. Between these two ranges we believe there exist the capability to develop and operationally observe vertical stability (lack of change) at a subcentimeter resolution. A small, easily-d ...

SBIR Department of CommerceNational Oceanic and Atmospheric Administration

#### 9. 8.1.3SG: Rapid Identification of Species and Origin in Processed Seafood

Release Date: 11-13-2013Open Date: 11-13-2013Due Date: 01-29-2014Close Date: 01-29-2014

Summary: Seafood substitution is a significant form of seafood fraud, which can have

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negative economic and environmental impacts. While morphological identification of whole fish is relatively easy, the challenge arises when attempting to identify processed fish products, which have lost their distinctive morphological characteristics. Additionally, heavy processing may have denatured proteins and ...

SBIR Department of CommerceNational Oceanic and Atmospheric Administration

# 10. 8.2: Healthy Oceans

Release Date: 11-13-2013Open Date: 11-13-2013Due Date: 01-29-2014Close Date: 01-29-2014

DOC DOC/NOAA SBIR NOAA-2014-1 Development of System to Automate Analysis of Fisheries Information from Digital Stills Optimized CO2 Gas Sensor for Autonomous Measurement of Ocean Carbon 8.2 DOC DOC/NOAA SBIR NOAA-2014-1 ...

SBIR Department of CommerceNational Oceanic and Atmospheric Administration

- 1
- <u>2</u>
- 3
- <u>4</u> • 5
- Next
- Last

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